

IN THE CLAIMS:

1 1. (currently amended) A method for use in a computer network having a process
2 manager and a network management station for reporting to the network management
3 station the addition of new applications or processes to the computer network, the method
4 comprising the steps of:

5 providing a configuration service layer in communicating relationship with a new
6 application or process and the process manager;

7 in response to opening the new application or process, issuing a registration ser-
8 vice request from the new application or process to the process manager through the con-
9 figuration service layer;

10 establishing a method at the network management station for persistently and con-
11 tinuously listening for messages from the process manager;

12 in response to receiving the registration service request at the process manager,
13 generating and forwarding a notification message that identifies the new application or
14 process to the network management station; ~~and~~

15 automatically displaying the notification message at the network management sta-
16 tion without having to close and re-start the management station, and

17 automatically and dynamically modifying the parameters associated with existing
18 or with the new application or process.

1 2. (Original) The method of claim 1 further comprising the steps of:

2 creating a process manager window at the network management station that dis-
3 plays a list of applications and processes opened in the computer network; and
4 in response to receiving the notification message, adding the new application or
5 process to the list of applications and processes displayed in the process manager win-
6 dow.

1 3. (Original) The method of claim 2 further comprising the step of displaying a
2 status, a start time and a location of the new application or process, within the process
3 manager window, based on information from the received notification message.

1 4. (Original) The method of claim 3 wherein the status includes one of up, down,
2 started, not started, and unknown.

1 5. (Original) The method of claim 4 wherein the new application or process has
2 parameters associated with at least one of configure, control, diagnose and status func-
3 tions, the method further comprising the steps of:

4 in response to selecting the new application or process from the process manager
5 window, displaying at least one of configure, control, diagnose and status buttons associ-
6 ated with the new application or process; and

7 in response to selecting one of the displayed configure, control, diagnose and
8 status buttons, obtaining a respective configure, control, diagnose and status object from
9 the new application or process; and

10 displaying the obtained configure, control, diagnose and status object at the net-
11 work management station.

1 | 6. (currently amended) The method of claim 1 ~~further comprising~~wherein the
2 | step of modifying the respective parameters of the new application or process automati-
3 | cally and dynamically occurs in response to manipulations of ~~the a~~ configure, control,
4 | diagnose and status object displayed at ~~the a~~ network management station.

1 7. (currently amended) A computer readable medium containing executable pro-
2 gram instructions for automatically and dynamically informing a network management
3 station that is disposed within a computer network of a new application or process being
4 opened, the computer network further including a process manager, the executable pro-
5 gram instructions comprising program instructions for:

6 establishing a configuration service layer in communicating relationship with the
7 new application or process and the process manager;

8 in response to opening the new application or process, issuing a registration ser-
9 vice request from the new application or process to the process manager through the con-
10 figuration service layer;

11 establishing a method at the network management station for persistently and con-
12 tinuously listening for messages from the process manager;

13 in response to receiving the registration service request at the process manager,
14 generating and forwarding a notification message that identifies the new application or
15 process to network management station; ~~and~~
16 automatically and dynamically displaying the notification message at the network
17 management station, and
18 automatically and dynamically modifying the parameters associated with existing
19 or with the new application or process.

1 8. (currently amended) A computer workstation for use in a computer network
2 having at least one process manager, the workstation comprising:
3 at least one application or process;
4 a network communication facility;
5 a user interface application; and
6 a configuration service layer in communicating relationship with the at least one
7 application or process and the network communications facility,
8 wherein the at least one application or process and the configuration service layer coop-
9 erate to generate and issue, through the network communication facility, a registration
10 service request to the at least one process manager upon opening of the at least one appli-
11 cation or process at the computer workstation and wherein the process manager is con-
12 figured to generate and forward a notification message that identifies the new application
13 or process to the user interface application in response to receiving the registration ser-

14 | vice request, and automatically and dynamically modifying the parameters associated
15 | with existing or with the new application or process.

1 9. (Previously presented) The method of claim 1 further comprising the steps of:
2 detecting a new device added to the network; and
3 upon detecting the new device, generating a second notification object; and
4 passing the second notification object to the network management station.

1 10. (Previously presented) The method of claim 9 further comprising the step of
2 in response to receiving the second notification object, displaying a name and a location
3 associated with the new device at the network management station.

1 11. (Previously presented) A computer readable medium as defined in claim 7
2 further comprising program instructions for:
3 creating a process manager window at the network management station wherein
4 the process manager window displays a list of applications and processes opened in the
5 computer network; and
6 in response to receiving the notification message, adding the new application or
7 process to the list of applications and processes displayed in the process manager win-
8 dow.

1 12. (Previously presented) A computer readable medium as defined in claim 11
2 wherein the new application or process has parameters associated with at least one of
3 configure, control, diagnose and status functions, the computer readable medium further
4 comprising program instructions for:

5 in response to selecting the new application or process from the process manager
6 window, displaying at least one of configure, control, diagnose and status buttons associ-
7 ated with the new application or process; and

8 in response to selecting one of the displayed configure, control, diagnose and
9 status buttons, obtaining a respective configure, control, diagnose and status object from
10 the new application or process; and

11 displaying the obtained configure, control, diagnose and status object at the net-
12 work management station.

1 13. (Canceled).

1 14. (Previously Presented) A computer workstation as defined in claim 8 further
2 wherein the user interface application is configured to receive the notification message
3 and display the notification message at the network management station without having
4 to close and re-start the management station.

1 15. (Previously presented) A computer workstation as defined in claim 8 further
2 comprising a topology server configured to detect a new device added to the network

3 and, upon detecting the new device, to issue a notification object to a user application in-
4 terface.

1 16. (currently amended) A system for dynamically modifying the configuration,
2 settings and other parameters associated with one or more applications or processes run-
3 ning in a computer network, the system comprising:

4 means for registering with a process manager upon opening an application or pro-
5 cess;

6 means for generating a notification object upon the registration of an opened ap-
7 plication or process, wherein the notification object contains a reference identifying the
8 opened application or process;

9 means for passing the notification object to one or more user interface applica-
10 tions; and

11 means for presenting the notification object in one or more user interface applica-
12 tions without having to close and re-start the respective user interface application, and

13 means for automatically and dynamically modifying the parameters associated
14 with existing or with the new application or process.

1 17. (Previously presented) A system as defined in claim 16 wherein each user in-
2 terface application contains one or more windows, the system further comprising:

3 means for displaying the notification object in one or more windows contained in
4 one or more user interface applications.

1 18. (Previously presented) A system as defined in claim 16 further comprising:
2 means for creating a process manager window that displays a list of applications
3 and processes opened in the computer network; and
4 means for adding an application or process to the list of applications and proc-
5 esses displayed in the process manager window in response to receiving the notification
6 object.

1 19. (Previously presented) A system as defined in claim 18 comprising:
2 means for displaying at least one of configure, control, diagnose and status but-
3 tons associated with an application or process in response to selecting the application or
4 process from the process manager window;
5 means for obtaining a respective configure, control, diagnose and status object
6 from the new application or process in response to selecting one of the displayed config-
7 ure, control, diagnose and status buttons; and
8 means for displaying the obtained configure, control, diagnose and status object.

1 20. (Previously presented) A system as defined in claim 16 comprising:
2 means for detecting a new device added to the network; and
3 means for issuing a service request to a user application interface upon detecting
4 the new device, wherein the service request contains a name identifying the new device.

1 21. (Previously presented) A system as defined in claim 20 further comprising:
1 means for receiving the service request at a user application; and
2 means for adding the name identifying the new device to a list of devices dis-
3 played in a window presented on a display screen of a workstation.

1 22. (currently amended) A method for management of application processes in a
2 computer network, comprising:
3 adding a new application process to execute on a server computer;
4 transmitting by the new application process, in response to the new application
5 process being added, a registration service request to a process manager software execut-
6 ing on a workstation;
7 receiving the registration service request by the workstation; and
8 identifying by management software executing on the workstation that the new
9 application process is executing on the server computer, and
10 automatically and dynamically modifying the parameters associated with existing
11 or with the new application process.

1 23. (Previously Presented) The method as in claim 22, further comprising:
2 transmitting the registration service request over a computer network to the work-
3 station.

1 24. (Previously Presented) The method as in claim 22, further comprising:
2 automatically displaying, in response to receiving the registration service request,
3 an indication that the new application process is executing on the server computer with-
4 out having to close and re-start the management software.

1 25. (currently amended) A system for management of application processes in a
2 computer network, comprising:
3 means for adding a new application process to execute on a server computer;
4 means for transmitting by the new application process, in response to the new ap-
5 plication process being added, a registration service request to a process manager soft-
6 ware executing on a workstation;
7 means for receiving the registration service request by the workstation; and
8 means for identifying by management software executing on the workstation that
9 the new application process is executing on the server computer, and
10 means for automatically and dynamically modifying the parameters associated
11 with existing or with the new application process.

1 26. (Previously Presented) The system as in claim 25, further comprising:
2 means for transmitting the registration service request over a computer network to
3 the workstation.

1 27. (Previously Presented) The system as in claim 26, further comprising:
2 means for automatically displaying, in response to receiving the registration ser-
3 vice request, an indication that the new application process is executing on the server
4 computer without having to close and re-start the management software.

1 28. (currently amended) A system for management of application processes in a
2 computer network, comprising:
3 a server computer, the server computer having a new application process added to
4 execute on the server computer;
5 a workstation;
6 a network communication facility to transmit by the server computer, in response
7 to the new application process being added, a registration service request to a process
8 manager software executing on the workstation; and
9 management software executing on the workstation, in response to receiving the
10 registration service request, the management software identifying that the new applica-
11 tion process is executing on the server computer and automatically and dynamically
12 modifying the parameters associated with existing or with the new application process.

1 29. (Previously Presented) The system as in claim 28, further comprising:
2 the network communication facility transmitting the registration service request
3 over a computer network to the workstation.

1 30. (Previously Presented) The system as in claim 28, further comprising:
2 the workstation automatically displaying by the management software, in re-
3 sponse to the workstation receiving the registration service request, an indication that the
4 new application process is executing on the server computer without having to close and
5 re-start the management software.

1 31. (Previously Presented) A computer readable media, comprising:
2 said computer readable media having instructions written thereon for execution on
3 a processor for the practice of a method for management of application processes in a
4 computer network, having the steps,
5 adding a new application process to execute on a server computer;
6 transmitting by the new application process, in response to the new application
7 process being added, a registration service request to a process manager software execut-
8 ing on a workstation;
9 receiving the registration service request by the workstation; and
10 identifying by management software executing on the workstation that the new
11 application process is executing on the server computer, and
12 automatically and dynamically modifying the parameters associated with existing
13 or with the new application process.

1 32. (cancelled)

1 33. (currently amended) A method for operating a workstation, comprising:
2 executing a management software on the workstation;
3 receiving a registration service request by the workstation from a server computer,
4 the registration service request transmitted by a new application process, the new applica-
5 tion process transmitting the registration service request in response to being added to the
6 server computer to execute on the server computer; ~~and~~
7 identifying by the management software executing on the workstation that the
8 new application process is executing on the server computer, and
9 automatically and dynamically modifying the parameters associated with existing
10 or with the new application process.

1 34. (Previously Presented) The method as in claim 33, further comprising:
2 receiving the registration service request over a computer network from the server
3 computer.

1 35. (Previously Presented) The method as in claim 33, further comprising:
2 automatically displaying, in response to receiving the registration service request,
3 an indication that the new application process is executing on the server computer with-
4 out having to close and re-start the management software.

1 36. (currently amended) A computer workstation, comprising:
2 means for executing a management software on the workstation;

3 means for receiving a registration service request by the workstation from a server
4 computer, the registration service request transmitted by a new application process, the
5 new application process transmitting the registration service request in response to being
6 added to the server computer to execute on the server computer;

7 means for identifying by the management software executing on the workstation
8 that the new application process is executing on the server computer, and

9 means for automatically and dynamically modifying the parameters associated
10 with existing or with the new application process.

1 37. (Previously Presented) The workstation as in claim 36, further comprising:

2 means for receiving the registration service request over a computer network from
3 the server computer.

1 38. (Previously Presented) The workstation as in claim 36, further comprising:

2 means for automatically displaying, in response to receiving the registration ser-
3 vice request, an indication that the new application process is executing on the server
4 computer without having to close and re-start the management software.

1 39. (currently amended) A computer workstation, comprising:

2 a management software executing on the workstation;

3 a network communication facility to receive a registration service request by the

4 workstation from a server computer, the registration service request transmitted by a new

5 application process, the new application process transmitting the registration service re-
6 quest in response to being added to the server computer to execute on the server com-
7 puter; and

8 the management software identifying, in response to receiving the registration
9 service request, that the new application process is executing on the server computer and
10 automatically and dynamically modifying the parameters associated with existing or with
11 the new application process.

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2 40. (Previously Presented) The workstation as in claim 39, further comprising:
3 a network communications facility to receive the registration service request over
4 a computer network from the server computer.

1 41. (Previously Presented) The workstation as in claim 39, further comprising:
2 the management software automatically displaying, in response to receiving the
3 registration service request, an indication that the new application process is executing on
4 the server computer without having to close and re-start the management software.

1 42. (Previously Presented) A computer readable media, comprising:
2 said computer readable media having instructions written thereon for execution on
3 a processor for the practice of a method for operating a workstation, the method having
4 the steps of,
5 executing a management software on the workstation;

6 receiving a registration service request by the workstation from a server computer,
7 the registration service request transmitted by a new application process, the new applica-
8 tion process transmitting the registration service request in response to being added to the
9 server computer to execute on the server computer; and

10 identifying by the management software executing on the workstation that the
11 new application process is executing on the server computer, and
12 and automatically and dynamically modifying the parameters associated with ex-
13 isting or with the new application process.

1 43. (Cancelled)

1 44. (currently amended) A method for operating a server computer, comprising:

2 adding a new application process to execute on the server computer; and

3 transmitting by the new application process, in response to the new application

4 process being added, a registration service request to a workstation, the workstation con-

5 figured to identify, upon receipt of the registration service request, that the new applica-

6 tion process is executing on the server compute, and

7 automatically and dynamically modifying the parameters associated with existing

8 or with the new application process.

1 45. (Previously Presented) The method as in claim 44, further comprising:

2 transmitting the registration service request over a computer network to the work-
3 station.

1 46. (currently amended) A server computer, comprising:

2 means for adding a new application process to execute on the server computer;

3 and

4 means for transmitting by the new application process, in response to the new ap-
5 plication process being added, a registration service request to a workstation, the work-
6 station configured to identify, upon receipt of the registration service request, that the
7 new application process is executing on the server computer, and

8 means for automatically and dynamically modifying the parameters associated
9 with existing or with the new application process.

1 47. (Previously Presented) The server computer as in claim 46, further compris-
2 ing:

3 means for transmitting the registration service request over a computer network to
4 the workstation.

1 48. (currently amended) A server computer, comprising:

2 an interface to a new network device, the new network device having a new ap-
3 plication process to execute on the server computer; and

4 a network communication facility to transmit by the new application process, in
5 response to the new application process being added to the server computer, a registra-
6 tion service request to a workstation, the workstation configured to identify, upon receipt
7 of the registration service request, that the new application process is executing on the
8 server computer and automatically and dynamically modifying the parameters associated
9 with existing or with the new application process.

1 49. (Previously Presented) The server computer as in claim 48, further compris-
2 ing:
3 the network communications facility to transmit the registration service request
4 over a computer network to the workstation.

1 50. (currently amended) A computer readable media, comprising:
2 said computer readable media having instructions written thereon for execution on
3 a processor for the practice of a method for operating a server computer, the method hav-
4 ing the steps of,
5 adding a new application process to execute on the server computer; and
6 transmitting by the new application process, in response to the new application
7 process being added, a registration service request to a workstation, the workstation con-
8 figured to identify, upon receipt of the registration service request, that the new applica-
9 tion process is executing on the server computer, and

10 | automatically and dynamically modifying the parameters associated with existing
11 | or with the new application process.

1 51. (Cancelled)